

WE CLAIM AS OUR INVENTION:

1. An arrangement for passive gas sampling in a breathing system, comprising:

a body element having a conduit therein adapted to receive a flow of breathing gas;

a measurement chamber associated with said body element;

a venturi-nozzle in said conduit for passively generating pressure variations in said conduit dependent on said flow of breathing gas in said conduit;

said body element having a first port and a second port each terminating in said conduit and each connected to said measurement chamber; and

said first port and said second port being disposed relative to said venturi-nozzle so that said pressure variations force a flow of said breathing gas through said first port into said measurement chamber and out through said second port.